

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-083656

(43) Date of publication of application : 26.03.1996

(51)Int.Cl.

HC1 R 33/76

GO1R 31/26

HQ1L 21/66

(21)Application number : 06-215810

(71)Applicant : ADVANTEST CORP

(22)Date of filing : 09.09.1994

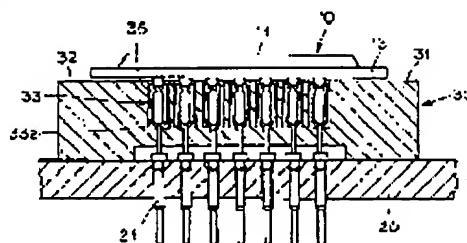
(72)Inventor: MATSUMURA SHIGERU

(54) SOCKET FOR MEASURING BALL GRID ARRAY SEMICONDUCTOR

(57)Abstract:

PURPOSE: To improve contact reliability by punching a specific sheet metal having a spring function to a tuning fork shape for use as a contact pin having two-point contact with a solder ball.

CONSTITUTION: A branch contact pin 36 is formed out of a sheet metal having a spring function such as beryllium bronze and phosphor bronze punched into a tuning fork shape. Also, the end of an elastic branch section has the housing 31 of a BGA package measurement socket 30 made by machining a plate material, where in contact with the solder ball of a BGA package 10. In addition, receiving holes reaching from the upper surface of a housing 31 to the lower surface thereof are drilled and arrayed, so as to correspond to balls 12 arranged and positioned in a matrix on the lower surface of the package 10 laid on the surface 32. According to this construction, the branch contact pins 30 of the socket 30 for measuring a ball grid array BGA semiconductor comes to have the elastic branch section in two-point contact with the solder balls, thereby improving contact reliability.



LEGAL STATUS

[Date of request for examination]

07.09.2001

[Date of sending the examiner's decision of rejection]

12.11.2002

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

FROM ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS (TUE) 3. 15' 05 15:41/ST. 15:38/NO. 4864272266_P.11

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1993,2003 Japan Patent Office